Haverhill, MA
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SKILLS

Programming Languages & Frameworks

Proficient in:	JavaScript, OCaml, C++, Python, React/Redux, React Native, Node.js
Experienced with:	C, PHP, Java, Racket, Scheme

EXPERIENCE

Box   Redwood City, CA
Software Engineering Intern   *June 2017 – Present*

- Restructured existing API to adapt versioning for ClusterRunner, an open source tool that parallelizes and optimizes test suites
- Implemented pagination within a RESTful API to help organize and handle unmaintainable amounts of data

Robin   Boston, MA
Software Engineering Intern   *May 2016 – Aug. 2016*

- Helped build and maintain mobile applications for Android and iOS platforms for thousands of users
- Utilized knowledge of string distance algorithm to build custom approximate string matching module derived with memory efficient alterations, to enhance user experience with search fields
- Applied functional paradigms to take advantage of Redux and to produce testable, deterministic code

Veranda Outdoors   Haverhill, MA
Software Developer   *May 2015 – Aug. 2015*

- Led a small team of developers to coordinate projects and work flows to increase productivity
- Adapted to legacy software and seamlessly introduced modern software into the ecommerce platform
- Created practical and user friendly wholesale ordering platform for hundreds of important customers

OPEN SOURCE PROJECTS

Infrared *(static analyzer)*   *Jan. 2017 – Present*

- Constructed a parser using OCaml that transformed JavaScript files into strict abstract syntax trees adhering to Shift specifications
- Statically analyzed Shift abstract syntax trees into a graph of nodes to efficiently infer a type system across an entire given project

Needle *(library)*   *Sept. 2015 – Present*

- Worked intimately with a wide variety of both commonly used data structures (hash map, k-ary tree, etc.) and more esoteric data structures (rolling hash, bit array, etc.) using JavaScript
- Produced benchmarks to analyze the performance of individual components throughout the library and various types of unit testing for quality assurance
- Optimized software performance to produce a flexible, lightweight product

EDUCATION

University of Massachusetts Lowell   *Spring 2018*
Bachelor of Science in Computer Science, Minor in Mathematics   *Major GPA: 3.51*

Relevant Courses:	Data Structures, Algorithms Analysis, Functional Programming, Operating Systems, Discrete Mathematics, Probability and Statistics
Honors:	Deans List, UMass Amherst Book Award for Computer Science
Activities:	Member of Modern JavaScript Society, Captain of Intramural Soccer Team
Hackathons:	HackHarvard, CODEX MIT Media Lab, Hackbeanpot, Hawkathon
Languages:	English, Vietnamese, Spanish